



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/454,875	12/03/1999	NACERDINE AZZI	RCA-89342	4350

7590

07/17/2002

JOSEPH S TRIPOLI  
PATENT OPERATIONS  
THOMSON MULTIMEDIA LICENSING INC  
CN 5312  
PRINCETON, NJ 08540

EXAMINER

ZIMMERMAN, GLENN

ART UNIT

PAPER NUMBER

2879

DATE MAILED: 07/17/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/454,875

Applicant(s)

AZZI ET AL.

Examiner

Glenn Zimmerman

Art Unit

2879

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on April 4, 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☐ Claim(s) \_\_\_\_\_ is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 5-7 and 22 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☒ The proposed drawing correction filed on 04 April 2002 is: a) ☒ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## **DETAILED ACTION**

### ***Response to Amendment***

Amendment, filed on April 4, 2002, has been entered and acknowledged by the examiner.

### ***Priority***

Acknowledgment is made of applicant's claim for foreign priority based on an application filed in France on 12/11/1998. It is noted, however, that applicant has not filed a certified copy of the 98 15645 application as required by 35 U.S.C. 119(b).

### ***Drawings***

The proposed drawing correction and/or the proposed substitute sheets of drawings, filed on April 4, 2002 have been approved. A proper drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The correction to the drawings will not be held in abeyance.

The Patent and Trademark Office no longer makes drawing changes. See 1017 O.G. 4. It is applicant's responsibility to ensure that the drawings are corrected. Corrections must be made in accordance with the instructions below.

## **INFORMATION ON HOW TO EFFECT DRAWING CHANGES**

### **1. Correction of Informalities -- 37 CFR 1.85**

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's

Art Unit: 2879

name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings **MUST** be filed within the **THREE MONTH** shortened statutory period set for reply in the "Notice of Allowability." Extensions of time may NOT be obtained under the provisions of 37 CFR 1.136 for filing the corrected drawings after the mailing of a Notice of Allowability. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

**2. Corrections other than Informalities Noted by Draftsperson on form PTO-948.**

All changes to the drawings, other than informalities noted by the Draftsperson, **MUST** be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

**Timing of Corrections**

Applicant is required to submit acceptable corrected drawings within the time period set in the Office action. See 37 CFR 1.185(a). Failure to take corrective action within the set (or extended) period will result in **ABANDONMENT** of the application.

***Specification***

The substitute specification filed May 2, 2002 has not been entered because it does not conform to 37 CFR 1.125(b) because: the statement as to a lack of new matter under 37 CFR 1.125(b) is missing and also a marked-up copy of the substitute specification has not been supplied (in addition to the clean copy).

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 22 and 5-7 are rejected under 35 U.S.C. 102(b) as being anticipated by Barkow U.S. Patent 4,143,345.

Regarding claim 22, Barkow discloses a deflection yoke for a cathode-ray tube (**claim 1; col. 2 lines 36-45**) comprising:

A pair of horizontal deflection coils (**saddle-type horizontal deflection coils Fig. 3 ref. 18H**) and a pair of vertical deflection coils (**vertical deflection windings ref. 18V**) for generating magnetic deflection fields perpendicular to a main axis of said cathode-ray tube, one of said pairs including saddle-shaped coils (**saddle-type horizontal deflection coils Fig. 3 ref. 18H**) having conducting wires arranged so as to form a front conductor assembly (**Fig. 3 no ref. #**) and a rear conductor assembly (**Fig. 3 no ref. #**) coupled to each other by lateral conductor bundles (**Fig. 3 no ref. #**), and those parts of each of said coils which form the rear conductor assembly and the lateral bundles being arranged approximately symmetrically with respect to a plane (**Fig. 3 no ref. #**); and

A first metal plate (**barium ferrite magnet ref. 21a or ref. 22a**) placed near the front conductor assembly for locally modifying one of the direction and the amplitude of

Art Unit: 2879

the magnetic field created by the current flow in said front conductor assembly so that considering a first zone of the front conductor assembly and a second zone symmetrical with the first zone with respect to the plane, the fields created in the first and second zones are asymmetrical with respect to said plane.

Regarding claim 5, Barkow disclose a deflection yoke according to claim 22, wherein the saddle-shaped coils are the vertical deflection coils. If the CRT is rotated 90° then the horizontal deflection coils become vertical deflection coils.

Regarding claim 6, Barkow discloses a deflection yoke according to claim 22, wherein said first metal plate extends, in a plane perpendicular to the Z axis, about a mean radial direction of between 60° and 90° measured with respect to the direction of the plane of separation of the two coils. The angle is 90° as is seen in figure 2 ref. 21a.

Regarding claim 7, Barkow discloses a deflection yoke according to claim 22, further comprising a second metal plate wherein said first (**barium ferrite magnet ref. 21a or 22a**) and second (**barium ferrite magnet ref. 21b or 22b**) metal plate extend on both of the saddle-shaped coils of the same pair, symmetrically with respect to the Z axis.

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Shiro et al. U.S. Patent 5,378,961 disclose a Deflection Yoke Apparatus. Iwasaki et al. U.S. Patent 4,939,415 disclose a Deflection Yoke. Koba et al.

Art Unit: 2879

U.S. Patent 4,975,618 disclose a Deflection Device for a Color Picture Tube Apparatus.

Grote U.S. patent 4,972,519 discloses a Vertical Coma Correction Arrangement.

Yasuhara U.S. Patent 4,117,516 discloses a Deflection Yoke.


***Response to Arguments***

None needed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Glenn Zimmerman whose telephone number is (703) 308-8991. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel can be reached on (703) 305-4794. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7382 for regular communications and (703) 308-7382 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is n/a.

  
Glenn Zimmerman  
July 15, 2002

  
MICHAEL H. DAY  
PRIMARY EXAMINER